Conformance Test Framework for Government Smart Cards

Analysis of Alternatives

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Alternatives and Options

- Self Certification

- National Information Assurance Partnership (NIAP)

- Joint Interoperability Testing Center (JITC)

Industry Self Testing and Certification

- PRO:
  - Requires minimal resources by IAB
  - Certification can be documented thru GSC Contract
- CON:
  - Test results are self-declared
  - Need an organization to maintain the test suites

NIAP

- The National Information Assurance Partnership (NIAP) Common Criteria Evaluation and Validation Scheme (CCEVS) Validation Body

- PRO:
  - Formal certification scheme
  - Testing laboratories are NVLAP accredited

- CON:
  - GSC IS Conformance Testing does not fit under Common Criteria because CC test security not interoperability

JTIC – Testing Laboratory

- **PRO:**
  - Already doing smart card conformance testing for DOD
  - Willing to maintain the test suites
  - Proven capable of performing the tests

- **CON:**

Self Certification or JITC?

Self-Certification	JITC	Analysis
COST	Internal Cost by Vendor	External cost by Vendor	JITC will cost more
TIME	Timing Relies on Vendor	Timing relies on JITC & Prime	JITC will take more time